

DEC 28 2006

**FAX TRANSMISSION****DATE:** December 28, 2006**PTO IDENTIFIER:** Application Number 10/553,682-Conf. #1831  
Patent Number**Inventor:** Matthew D. Powe et al.**MESSAGE TO:** US Patent and Trademark Office**FAX NUMBER:** (571) 273-8300**FROM:** RADER, FISHMAN & GRAUER PLLC

Michael B. Stewart

**PHONE:** (248) 594-0633**Attorney Dkt. #:** 66221-0053**PAGES (Including Cover Sheet):** 16**CONTENTS:** Fee Transmittal  
Second Preliminary Amendment (13 pages)  
Certificate of Transmission (1 page)

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PTO/SB/97 (09-04)

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Application No. (if known): 10/553,682

Attorney Docket No.: 68221-0053

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**Fee Transmittal  
Second Preliminary Amendment (13 pages)**

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PTO/SB/17 (07-06)

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<p>Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).</p> <p><b>FEE TRANSMITTAL</b> <b>For FY 2006</b></p>		<p><b>Complete if Known</b></p>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	10/553,682-Conf. #1831
TOTAL AMOUNT OF PAYMENT (\$)		Filing Date	October 17, 2005
4,450.00		First Named Inventor	Matthew D. Powe
		Examiner Name	Not Yet Assigned
		Art Unit	3661
		Attorney Docket No.	68221-0053

**METHOD OF PAYMENT** (check all that apply)

☐ Check    ☐ Credit Card    ☐ Money Order    ☐ None    ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account    Deposit Account Number: 18-0013    Deposit Account Name: Rader, Fishman & Grauer PLLC

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below    ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17    ☒ Credit any overpayments

**FEE CALCULATION**

**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims: 60    Extra Claims: 41    Fee (\$): 50    Fee Paid (\$): 2450  
 HP = highest number of total claims paid for, if greater than 20.

Indep. Claims: 4    Extra Claims: 1    Fee (\$): 200    Fee Paid (\$): 200.00  
 HP = highest number of independent claims paid for, if greater than 3.

Multiple Dependent Claims: Fee (\$): 360.00    Fee Paid (\$): 1,800.00

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequences), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(e).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 -	/50	(round up to a whole number) x		

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): \_\_\_\_\_

SUBMITTED BY		Registration No.	36,016	Telephone	(248) 594-0633
Signature		(Attorney/Agent)		Date	December 28, 2006
Name (Print/Type)	Michael B. Stewart				

**Fee Transmittal**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: December 28, 2006    Signature: (Lisa M. Terry)

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Docket No.: 66221-0053  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Matthew D. Powe et al.

Application No.: 10/553,682

Confirmation No.: N/A

Filed: October 17, 2005

Art Unit: N/A

For: **CORRECTION OF TROPOSPHERE INDUCED  
ERRORS IN GLOBAL POSITIONING  
SYSTEMS**

Examiner: Not Yet Assigned

**SECOND PRELIMINARY AMENDMENT**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INTRODUCTORY COMMENTS**

Prior to examination on the merits, please amend the above-identified U.S. patent application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Amendments to the Specification** begin on page 12 of this paper.

**Remarks/Arguments** begin on page 13 of this paper.